

INTERNATIONAL SEARCH REPORT

Intern. Application No
PCT/US2004/038226

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C233/80 C07D213/75 A61K31/165 A61K31/44 A61P25/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98/55115 A (ELI LILLY AND COMPANY; FLAUGH, MICHAEL, EDWARD) 10 December 1998 (1998-12-10) cited in the application claim 1	1,8,9, 11,13, 15-18, 20-23,27
A	WO 03/084949 A (ELI LILLY AND COMPANY; COHEN, MICHAEL, PHILIP; KOHLMAN, DANIEL, TIMOTH) 16 October 2003 (2003-10-16) claim 1	1,8,9, 11,13, 15-18, 20-23,27
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

21 April 2005

Date of mailing of the international search report

02/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Fitz, W

INTERNATIONAL SEARCH REPORT

Intern al Application No
PCT/US2004/038226

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>ADHAM N ET AL: "CLONING OF ANOTHER HUMAN SEROTONIN RECEPTOR (5-HT1F): A FIFTH 5-HT1RECEPTOR SUBTYPE COUPLED TO THE INHIBITION OF ADENYLATE CYCLASE" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 90, no. 2, 15 January 1993 (1993-01-15), pages 408-412, XP000572279 ISSN: 0027-8424 the whole document</p> <p>-----</p>	<p>1,8,9, 11,13, 15-18, 20-23,27</p>

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/038226

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: —
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 9-14 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Intern: 1 Application No
PCT/US2004/038226

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9855115	A	10-12-1998	AT 240953 T 15-06-2003
		AU 729786 B2 08-02-2001	
		AU 7795598 A 21-12-1998	
		BR 9810610 A 12-09-2000	
		CA 2291624 A1 10-12-1998	
		CN 1259049 A 05-07-2000	
		DE 69814735 D1 26-06-2003	
		DE 69814735 T2 25-03-2004	
		DK 882726 T3 22-09-2003	
		EA 1718 B1 27-08-2001	
		EP 0882726 A1 09-12-1998	
		ES 2199410 T3 16-02-2004	
		HU 0004142 A2 28-05-2001	
		ID 23053 A 20-01-2000	
		JP 2002502419 T 22-01-2002	
		NO 995963 A 03-12-1999	
		NZ 501569 A 30-11-2001	
		PL 337221 A1 14-08-2000	
		PT 882726 T 30-09-2003	
		TR 9903014 T2 22-05-2000	
		WO 9855115 A1 10-12-1998	
		US 6221884 B1 24-04-2001	
WO 03084949	A	16-10-2003	AU 2003224719 A1 20-10-2003
			BR 0308495 A 01-02-2005
			CA 2478229 A1 16-10-2003
			EP 1492786 A1 05-01-2005
			HR 20040883 A2 31-12-2004
			WO 03084949 A1 16-10-2003